MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

April 1947

ROBERT W. SLOANE, DIRECTOR

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WEATHER BUREAU

APRIL 1947

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	61.8	62.5	59.9	61.4	24.7	16.8	19.4	22.2	18.2	19.9
2	59.6	59.4	9.6	59.5	27.8	16.4	22.1	23.2	17.8	21.0
3	60.1	9.0	9.6	9.6	28.2	16.9	22.2	27.1	18.7	22.7
4	1.8	62.2	62.9	62.3	23.6	15.4	20.4	22.6	17.8	20.3
5	4.2	3.1	3.1	3.5	23.9	16.1	19.9	22.7	17.2	19.9
6	64.0	62.3	61.1	62.5	24.5	17.4	20.3	22.7	17.2	20.1
7	1.6	0.0	58.9	0.2	23.2	18.4	20.4	21.6	18.3	20.1
8	57.5	56.8	60.4	58.2	24.4	17.2	19.4	21.2	18.3	19.6
9	9.4	9.3	0.7	9.8	25.1	18.2	22.7	23.6	19.0	21.8
10	61.0	60.9	1.2	61.0	30.6	19.4	23.5	27.2	21.6	24.1
11	60.2	58.9	58.7	59.3	28.3	20.0	23.8	26.6	21.2	23.9
12	57.0	5.8	6.4	6.4	33.9	20.4	26.1	29.9	23.9	26.3
13	9.8	60.9	61.0	60.6	25.2	17.4	20.7	23.8	18.5	21.0
14	61.1	1.0	1.7	1.3	21.0	14.6	18.2	19.8	16.6	18.2
15	2.3	2.4	3.0	2.6	18.8	14.3	16.2	17.7	15.6	16.5
16	62.5	61.4	61.4	61.8	20.9	11.2	17.9	19.5	14.3	17.2
17	0.8	2.7	4.7	2.7	19.4	13.2	13.3	17.3	14.6	15.1
18	7.2	6.4	6.7	6.8	21.2	14.6	18.8	20.0	16.6	18.5
19	6.1	3.2	2.3	3.9	26 0	17.0	21.2	21.6	19.3	20.7
20	0.4	0.0	0.4	0.3	27.5	15.6	21.6	26.3	18.4	22.1
21	60.7	60.3	60.6	60.5	24.9	17.0	20.9	22.2	18.8	20.6
22	0.9	0.9	1.2	1.0	24.4	15.7	20.5	23.3	18.8	20.9
23	1.6	59.7	1.4	0.9	24.8	17.3	19.0	23.7	18.8	20.5
24	1.6	60.6	1.1	1.1	24.7	17.4	19.9	21.8	18.9	20.2
25	1.5	1.2	1.4	1.4	24.7	18.1	21.8	21.6	18.8	20.7
26	60.9	60.7	61.8	61.1	22.5	16.8	22.2	20.9	17.8	20.3
27	58.9	59.4	0.9	59.7	24.7	16.4	19.8	23.4	17.8	20.3
28	62.6	62.5	2.3	62.5	25.4	16.7	20.9	23.3	17.7	20.6
29	1.8	0.4	0.5	0.9	26.7	16.7	22.7	24.5	18.7	22.0
30	0.2	59.8	59.7	59.9	25.4	17.8	21.4	23.8	19.4	21.5
	61.30	60.79	61.15	61.09	24.88	16.71	20.57	22.84	18.29	20.55

Barometer, range for month 767.2 — 755.8 mm.
„ 71-yr. average for month 760.03 mm.
Thermometer, range for month 33.9° — 11.2°C
„ 71-yr. average for month 19.10 °C.
Rain, total for month 20.31 m.m.
„ 71-yr. average for month 55.16 m.m.
„ Total, Sept. 1st. to end of month 810.00 mm.
„ 71-yr. average, Sept. 1st. to end of month 870.00 mm.

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METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor mm.				Relative Humidity per cent.				Sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	14.2	17.4	14.4	15.3	85	88	95	89	9.5	267.0	
2	16.6	14.4	14.9	15.3	84	68	98	83	9.8	156.0	
3	15.5	18.4	15.7	16.5	79	70	96	82	8.4	270.0	
4	14.7	15.9	14.3	15.0	83	78	98	86	7.8	583.0	
5	12.7	14.6	13.5	13.6	73	72	93	79	8.2	349.0	
6	14.1	16.3	13.0	14.5	80	80	89	83	8.8	288.0	
7	13.9	15.6	14.7	14.7	78	81	94	84	8.9	290.0	
8	14.8	15.3	14.6	14.9	88	80	94	87	9.3	172.0	
9	15.8	17.5	16.1	16.5	76	81	99	85	9.5	312.0	
10	16.9	18.1	18.4	17.8	78	68	95	80	9.9	156.0	
11	17.4	18.9	16.2	17.5	79	73	86	79	9.1	259.0	
12	12.6	19.8	11.9	14.8	50	62	54	55	7.5	365.0	
13	14.7	14.6	12.8	14.0	81	66	81	76	5.6	692.0	
14	12.0	12.8	10.9	11.9	78	74	78	77	3.5	974.0	7.11
15	10.8	10.8	8.7	10.1	79	72	66	72	4.2	566.0	1.52
16	8.9	8.9	8.8	8.9	58	53	72	61	6.9	468.0	
17	10.1	10.4	8.1	9.5	89	72	66	76	7.2	465.0	2.03
18	10.4	10.4	10.7	10.5	65	60	76	67	10.4	632.0	
19	12.7	14.8	13.0	13.5	68	77	78	74	11.0	682.0	
20	15.2	13.3	14.8	14.4	79	52	94	75	10.2	272.0	
21	14.0	14.6	13.3	14.0	75	73	83	77	5.0	351.0	
22	13.0	14.2	13.5	13.6	72	67	83	74	6.8	185.0	
23	13.0	15.1	14.2	14.1	80	70	89	80	4.3	311.0	
24	13.4	15.0	14.4	14.3	75	77	88	80	0.2	224.0	
25	13.2	15.7	14.3	14.4	68	81	89	79	1.8	204.0	
26	15.1	15.5	13.4	14.7	76	84	89	83	0.6	486.0	
27	15.8	16.9	14.8	15.8	92	79	97	89	11.5	328.0	9.65
28	14.1	16.5	13.3	14.6	76	77	88	80	12.0	150.0	
29	15.2	15.2	13.7	14.7	74	67	86	76	11.8	254.0	
30	14.7	15.4	14.8	15.0	77	69	88	78	12.1	296.0	
31											
	13.85	15.08	13.51	14.15	76.5	72.4	86.1	78.2	7.73	366.90	0.67

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m.; Max. 1.75 m : Min. 1.70 m.

Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.

Time of reading minus 2 hours equals G C.T.

71 year averages are for period, 1875–1945

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METEOROLOGICAL REGISTER

Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	0	0	0.0	1nw	2n	1n	slight	Heavy D, a.m.
2	0	0	0	0.0	1se	1se	0	light	
3	0	0	0	0.0	1sw	1sw	1sw	„	D, a.m.
4	5ci	3cu	5cu	4.3	2sw	3sw	2sw	slight	F, 10 p.m.
5	1cu	1cu	0	0.7	2sw	2sw	0	„	
6	0	0	0	0.0	1ne	2ne	1ne	slight	
7	5cu-ci	10cu-st	6cu	7.0	1nw	1nw	0	light	
8	10cu	9cu	5cu	8.0	0	1sw	1sw	slight	
9	0	0	0	0.0	1ne	2ne	1ne	„	
10	0	0	0	0.0	1sw	1n	0	light	D, a.m.
11	0	5ci	0	1.7	1sw	1se	1sw	light	
12	3ci	1ci	0	1.3	2sw	2sw	0	„	
13	8cu-ci	1ci	2cu	3.7	3sw	3sw	3sw	mod.	Traces p.m.
14	8cu	4cu	3cu	5.0	3sw	4sw	4sw	„	„ a.m.
15	9cu	8cu-ci	5cu	7.3	3sw	3sw	2sw	„	
16	0	3ci	0	1.0	2sw	1nw	1n	slight	T, 10 p.m.
17	10cu	0	0	3.3	2sw	2sw	2sw	„	
18	0	0	0	0.0	1ne	2ne	2ne	mod.	
19	0	0	0	0.0	3ne	3ne	2ne	slight	
20	0	0	0	0.0	0	1sw	0	light	
21	0	10ci-st	9cu-st	9.7	2sw	2sw	1sw	slight	
22	8cu-ci	0	0	2.7	2sw	2sw	1sw	light	
23	6cu	8cu	7cu	7.0	1w	1sw	0	„	
24	10cu	10cu	7cu	8.0	1w	2sw	1sw	„	
25	9cu	10cu-st	4ci	7.7	2sw	1sw	0	„	
26	10cu	10cu	2cu	7.3	1sw	1sw	0	light	
27	1cu	2cu	0	1.0	1sw	1sw	1sw	„	
28	0	0	0	0.0	1nw	1nw	0	„	
29	0	0	0	0.0	1ne	2ne	0	„	
30	0	0	0	0.0	1nw	1ne	1ne	„	
				2.89					

* Abbreviations :— G = gale; H = haze; M = mist; T = thunderstorm; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	5	0	1	0	16	2	4	2	30
14:30	2	6	0	2	0	17	0	3	0	30
20:30	2	5	0	0	0	12	0	0	11	30
Mean	4	16	0	3	0	45	2	7	13	90

Number of days with rain 4, fog 1, thunderstorms 1, gale 0.

71 yr. av. number of days with rain during month 6.3